

network 40 at step S230. If the sharing execution command is not received yet from the main server 10, the sub-servers 20-1 through 20-n return to step S220 and maintain their standby status.

5 On the other hand, if the sharing execution command has been received from the main server 10, the sub-servers 20-1 through 20-n obtain both the accessing information of P2P Web to be connected and file information to be shared at step S240.

10 In order to obtain the accessing information and the file information at step S240, the main server 10 sends the sharing execution command to the sub-servers, and searches the data stored in the database 11 and the storage unit 12 for the accessing information and file information, and transmits them 15 to the sub-servers 20-1 through 20-n. Alternatively, the information may be obtained when the sub-servers 20-1 through 20-n access the database 11 and the storage unit 12 of the main server 10 according to preset value, thus enabling the sub-servers 20-1 through 20-n to read the accessing 20 information and the file information from the database 11 and the storage unit 12.

Then, the sub-servers 20-1 through 20-n access the data communication network 300 via the network interface unit 30 according to the obtained accessing information at step S240, 25 and are connected to the agent servers 110-1 through 110-n.

Further, the sub-servers 20-1 through 20-n transmit a preset user ID(identifier) and a secret number to the P2P Web agent servers 110-1 through 110-n via the network 300, and attempt to log in at step S250.

5 Then, the sub-servers 20-1 through 20-n determine whether or not a signal indicating a success of the log-in and allowability of connection has been received from the agent servers 110-1 through 110-n after a predetermined period of time at step S260. If the signal is not received or another 10 signal indicating a failure of the log-in is received, the sub-servers 20-1 through 20-n return to step S250 and are reconnected to the agent servers 110-1 through 110-n, and attempt to log in.

On the other hand, if the signal indicating the log-in 15 success and the allowability of connection has been received, the sub-servers 20-1 through 20-n transmit the list information of the digital file to be shared to the agent servers 110-1 through 110-n, thus allowing the users connected to the P2P Web to share the digital file such that the users 20 read the digital file freely on the P2P Web at step S270.

Next, the sub-servers 20-1 through 20-n stand by to transmit a corresponding digital file when the transmission requests for the digital file are received from the user terminals 200-1 through 200-n connected to the P2P Web on 25 accessing at step S280.

In the state of standby, the sub-servers 20-1 through 20-n determine whether or not the transmission requests for the digital file have been received from the user terminals 200-1 through 200-n at step S290.

5 If the transmission requests have been received from at least any one of the user terminals 200-1 through 200-n, the sub-servers 20-1 through 20-n open the communication port to the user terminal requesting the file transmission, send information of the opened communication port to the user 10 terminal, and allow a connection of the user terminal at step S300.

Then, the sub-servers 20-1 through 20-n transmit the requested digital file to the user terminal over the data communication network 300 at step S310. The digital file is 15 the advertising, deteriorated or encrypted digital file of the literary work, which is stored in the main server 10 at step S20 and has an identifier. In this case, the sub-servers 20-1 through 20-n previously receive and store the digital file from the main server 10, and transmit it to the user terminal 20 when receiving the file transmission request from the user terminal. Otherwise, the sub-servers 20-1 through 20-n can transmit the digital file to the user terminal by reading it from the main server 10 through the premise communication network 40 whenever receiving a transmission request.

25 When the file transmission is completed, the sub-servers